STATE BUILDING CODE COUNCIL

Log No. <u>14-E24</u>

1. State Building Code to be Amended:	
☐ International Building Code	X State Energy Code
☐ ICC ANSI A117.1 Accessibility Code	☐ International Mechanical Code
 International Existing Building Code 	☐ International Fuel Gas Code
☐ International Residential Code	☐ NFPA 54 National Fuel Gas Code
☐ International Fire Code	☐ NFPA 58 Liquefied Petroleum Gas Code
Uniform Plumbing Code	☐ Wildland Urban Interface Code
Section(s): R402.1.4, Title: Total UA Alternative, and Table R402.1.3	B Equivalent U-Factors

2. Proponent Name (Specific local government, organization or individual):

Proponent: Patrick C. Hayes**Title:** Energy Consultant

Date: 03-01-2014

3. Designated Contact Person:

Name: Patrick C. Hayes **Title:** Energy Consultant

Address: PO Box 65052, Seattle, WA 98155

Office Phone: 206.819.7684

Cell: Same

E-Mail address: patrickchayes1@msn.com

4. Proposed Code Amendment . Reproduce the section to be amended by underlining all added language, striking through all deleted language. Insert <u>new</u> sections in the appropriate place in the code in order to continue the established numbering system of the code. If more than one section is proposed for amendment or more than one page is needed for reproducing the affected section of the code additional pages may be attached. (Examples on the SBCC <u>website</u>)
Code(s) 2012 WSEC Section(s) C402.3.1
Enforceable code language must be used; see an example by clicking here.
Amend section to read as follows: For the Base Building UA calculations, the maximum glazing area is 15% of the floor area. For the base building UA calculations, the maximum glazing area is 35% of the Gross wall area. For the proposed glazing area shall be as proposed.
Table 402.1.3 Equivalent U-Factors
Climate Zone 5, Marine 4, and 6
Non metal Fenestration u-Factor .30
Metal Fixed and Operating U-Factor .38
 5. Briefly explain your proposed amendment, including the purpose, benefits and problems addressed. Specifically note any impacts or benefits to business, and specify construction types, industries and services that would be affected. Finally, please note any potential impact on enforcement such as special reporting requirements or additional inspections required. 6.
By using 35% of Gross wall areas as the baseline for UA calculations, and as proposed glazing for the proposed glazing, this will promote glazing reduction for energy code compliance on its own merit. This method puts the residential portion of the code in line with the commercial portion of the code, and will allow flexibility in energy code compliance, where Aluminum windows are needed for structural purposes. The current code Has no provisions for the use of high performance aluminum windows, which are needed in Washington state. Washington State is home to many single family high end projects due to the State's large collection of international companies that have some very wealthy employees, who build home that require glazing products

that the Vinyl or fiberglass manufacturers cannot supply. Building officials currently have to make their own provisions outside of the energy code in order to permit these structures, this change would give a path and

baseline for the projects to comply with the code.

8. Is there an economic impact: \square Yes \square No

Explain:

7. Specify what criteria this proposal meets. You may select more than one.

X The amendment corrects errors and omissions.

☐ The amendment is needed to address a critical life/safety need.

X The amendment is needed to address a specific state policy or statute.

X The amendment is needed for consistency with state or federal regulations.

X The amendment is needed to address a unique character of the state.

If there is an economic impact, use the Table below to estimate the costs and savings of the proposal on construction practices, users and/or the public, the enforcement community, and operation and maintenance. If preferred, you may submit an alternate cost benefit analysis.

	Construction ¹		Enforcement ²		Operations	Operations & Maintenance ³	
Building Type	Costs	Benefits ⁴	Costs	Benefits ⁴	Costs	Benefits ⁴	
Residential							
Single family							
Multi-family							
Commercial/Retail							
Industrial							
Institutional							

Please send your completed proposal to: sbcc@ga.wa.gov

All questions must be answered to be considered complete. Incomplete proposals will not be accepted.

¹ \$ / square foot of floor area or other cost. Attach data. **Construction** costs are costs prior to occupancy, and include both design and direct construction costs that impact the total cost of the construction to the owner/consumer.

² Cost per project plan. Attach data. Enforcement costs include governmental review of plans, field inspection, and other action required for enforcement.

³ Cost to building owner/tenants over the life of the project.

⁴ Measurable benefit.